

STEJSKAL, Jan; PLESNIK, Jan; HRUSKA, Ladislav; SVOBODA, Jaroslav; NAJMR, Stanislav; PREININGER, Miroslav; HAUNER, Frantisek; BENDA, Josef, inz.; KRAJCOVIC, Vladimir; VLCEK, Kvetoslav; KRBlich, Jan; CERNY, Ladislav, Dr.; DVORACEK, Miroslav, inz. dr.; CHYTRA, Frantisek, inz.; FOLTYN, Jiri; VYSKOT, Miroslav; STAMBERA, Jaroslav, C.Sc. Doc.Inz.; KOSIL, Vladimir; STUCHLIK, Jaroslav, Inz.; NAKLADAL, Jaroslav, Inz.; RICHTER, Lev, MVDr.

Statements of directors of institutes, and of managers of workplaces of the Czechoslovak Academy of Agricultural Sciences. Vestnik CSAZV 8 no.8/9:496-531 '61.

1. Dopisujici clen Ceskoslovenske akademie zemedelskych ved (for Stejskal, Plesnik, Hruska, Svoboda, Najmr, Preininger, Hauner, Benda, Krajcovic, Krblich, Dvoracek, Foltyn, Vyskot, Kosil) 2. Clen redakcni rady Vestniku Ceskoslovenske akademie zemedelskych ved (for Plesnik, Preininger, Foltyn, Vyskot) 3. Reditel Vyzkumneho ustavu zivocisne vyroby Ceskoslovenske akademie zemedelskych ved v Uhrinevsi (for Dvoracek) 4. Reditel Ustavu pro vedeckou soustavu hospodareni Ceskoslovenske akademie zemedelskych ved v Praze (for Benda)

(Czechoslovakia—Agriculture)

VLCEK, Kvetoslav

For further development of agricultural sciences in Bulgaria.
Vestnik-GSAZV 8 no.10:571-572 '61.

1. Reditel Ustavu vedeckotechnickych informaci Ceskoslovenske akademie
zemedelskych ved, Praha.

(Bulgaria--Agriculture)

VLCEK, Kvetoslav

The foundation meeting of the Advisory Board for Agriculture of
the presidium of the Czechoslovak Academy of Agricultural Sciences.
Vestnik CSAZV 7 no.3:153-154 '60. (EEAI 9:7)
(Czechoslovakia--Agriculture)

VLCEK, Kvetoslav

International mobile exhibition of apparatus and measuring
instruments used in agricultural research. Vestnik CSAZV 8 no.4:
222-224 '61. (EEAI 10:6)

1. Reditel Ustavu vedeckotechnickych informaci Ceskoslovenske
akademie zemedelskych ved, Praha.
(Agriculture)

VLCEK, Kvetoslav

Report on the activities of the Central Office of Scientific and Technical Development and Consultation of the Czechoslovak Academy of Agricultural Sciences. Vestnik CSAZV 8 no.4:239-341 '61.
(EEAI 10:6)

1. Reditel Ustavu redeckotechnickych informaci Ceskoslovenske akademie zemedelskych ved, Praha.
(Czechoslovakia--Agriculture)
(Czechoslovak Academy of Agricultural Sciences)

CZECHOSLOVAKIA

UDC: 612.766.1:612.014.4.9

KVETENSKY, Josef, LtCol, MD; KLUŠT, Václav, LtCol, MD; ZAORÁLEK, Alois, LtCol, MD;
VLČEK, Lubos, MD; HLAUČO, Stanislav, Maj, MD; RUBES, Václav

"Effects of a 100-Kilometer Nonstop March on the Human Organism."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 5, Oct 66, pp 194-197

Abstract [Czech, Russian and English summaries, modified]: A brief preliminary evaluation of some changes in the organisms of persons after a 100-km nonstop march. Although in most cases the changes were insignificant, such a march is fatiguing; only physically fit persons should be allowed to participate; check-ups and medical supervision during the march should be mandatory. A tabulated statistical evaluation is presented of the before-and-after dynamometric measurements, vital capacity, blood pressure and pulse rate. Seven Soviet-bloc refs.

1/1

EAST GERMANY/Acoustics - Sound Waves and Oscillations.

J

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4318

acoustic impedance of the resonator to the wave impedance of the medium. Usually η_1 is very small and in order to increase α_0 it is necessary to introduce an additional active resistance. A theoretical analysis is given of the method for increasing η_1 with the aid of stretching in the resonator cavity thin porous partitions. A formula is derived for the dependence of η_1 on the active acoustic resistance and on the position of the partitions under conditions of rigid fastening; the possibility of neglecting the thickness of the partition is admitted. An approximate formula is derived by the method of electroacoustic analogy; this formula holds for partitions which are away from the resonator throat a distance exceeding twice the correction for the effective length of the throat. The results of experimental investigations of the dependence of the active component of the acoustic impedances of various resonators with

Card 2/3

EAST GERMANY/Acoustics - Sound Wave and Oscillations.

J

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4318

partitions made of cloth on the relative placement of the partitions are in good agreement both with the exact and with the approximate formulas provided the foregoing conditions are satisfied. For a resonator with a square transverse section and with 16 round holes, damped by a partition made of four layers of cloth, a graph is given for the dependence of the coefficient absorption α_0 on the relative distance between the transition and the input apertures, where α_0 changes from 0.54 to 1, i.e. by approximately 100%. --S.Kh. Baron

Card 3/3

- 90 -

VIČEK, Miroslav, inz. arch.; MAYER, Jaroslav, inz. arch.

Architecture and location of airport buildings. *Letecký*
obzor 8 no.7:194-197 J1'64.

VLCEK, Miroslav, inz. arch.; MAYER, Jaroslav, inz. arch.

Passenger platforms on international airports. Latency chart 2 cc.
9:130-333 My '64.

VLCEK, Miroslav, inz.

Capacity of sewer inlets. Inz stavby li no.9:330-332 S '63.

1. Vyzkumny ustav vodospodarsky.

VLCEK, Miroslav, inz.

Transit hotel. Latecky obzor 8 no.3:75-77 Mr:64

VLEEK, Miroslav, ing.

Investigation of the resistance of asphalt concrete packing.
Vodni hosp 15 no.2:79-80 '65.

1. Research Institute of Water Resources Management, Prague.

CZECHOSLOVAKIA/Acoustics - Sound Waves and Oscillations.

J

Abs Jour : Ref Zhur Fizika, No 12, 1959, 28234
Author : Vleck, Miroslav
Inst : -
Title : Input Acoustic Impedance of a Closed Box
Orig Pub : Slaboproudy obzor, 1959, 20, No 2, 76-80

Abstract : An expression is obtained for the input acoustic impedance of a closed box, in the shape of a rectangular parallelepiped. The influence of the position and size of the radiator is considered. The conclusions are of interest in the calculation of sound reproducing systems.

Card 1/1

- 105 -

VLCEK, M.

Pistonphone with a differential piston. p.140.
(Slaboproudý Obzor, Vol. 18, No. 3, Mar. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860320008-3

VLOCK, M.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860320008-3"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860320008-3

VLCEK, M.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860320008-3"

VLCEK, M., inz.

Non-return flap valve for pumping stations. Vodni hosp 12
no.12:491 D '62.

VLCEK, M.

VLCEK, M. The damping of Helmholtz resonators. (To be contd.) p. 553.

Vol. 17, No. 10, Oct. 1956.

SLAEOPROUDY GEZCR.

TECHNOLCGY

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 3, March 1957

VLCEK, Miroslav, inz. arch.; MAYR, Jaroslav, inz. arch.

Disposition and operation of airport buildings. Istecky obzor
8 no.9:260-264 S '64.

VLCEK, R.; KOTULAN, J.

Some problems of children's daily regime in South Moravia region.
Cesk. hyg. 9 no.9:542-550 0 '64.

1. Oddeleni hygieny deti a dorostu Krajskej hygienicko-epidemiologickej stanicy Jihomoravskeho Krajskeho narodniho vybory, Brno;
Katedra hygieny a epidemiologie lekarske fakulty University J.E. Purkyne, Brno.

VLCEK, RADOSLAV

Czechoslovakia /Chemical Technology. Chemical Products I-14
and Their Application

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31702

Author : Vlcek Radoslav, Sisteck Frantisek, Brezina Otakar

Title : Field Laboratory for the Testing of Water

Orig Pub: Vojenske zdravotn. listy, 1956, 25, No 11,
515-517

Abstract: No abstract.

Card 1/1

VLAČEK, Rudolf

✓ Sulfo esters. Vladimír Pile, Rudolf Vláček, and Antonín Podroužek. Czech. 84,692, Nov. 1, 1955. The sulfonation of fats and oils yields sulfoesters of uniform properties suitable for use in the *textile and tanning processes*. Train oil 400 kg. (I no. 115) is sulfonated with 100 kg. of 93% H_2SO_4 , and the reaction mixt. is washed with 500 l. of 20% soln. of Na_2SO_4 , slowly heated to 35° , and maintained at $30-40^\circ$ 12 hrs. After sepg. the lower acidic layer, the emulsion of sulfo esters is neutralized with NH_4OH to pH 6.4. The product contains 73% fatty acids and 0.6% nonsaponifiable substances, and the emulsion is stable at 70° for more than 2 hrs. L. J. Urbánek

(3)

CZECHOSLOVAKIA

VLCEK, R; KOTULAN, J.

1. Department of Hygiene of Children and Adolescents of KHS of the South Moravian KVV (Oddeleni hygieny deti a dorostu KHS Jihomoravského KVV), Brno; 2. Chair of Hygiene and Epidemiology of the Medical Faculty UJEP (Katedra hygieny a epidemiologie lékařské fakulty UJEP), Brno

Prague, Ceskoslovenska Hygiena, No 9, 1964, pp 542-549

"Some Problems of Children's Daily Schedule in the South Moravian Kraj."

MENDEL, Ferdinand, inz.; HOLOUBEK, Otto, inz.; VLCEK, Stanislav, inz.

Construction of a bridge from prestressed concrete by the heavy assembly method. Inz stavby 12 no.8:348-352 Ag '64.

1. Dopravni stavby National Enterprise, Olomouc.

FRANA, G.; VICEK, T.

Refraction changes in leatherworkers. Pracovni lek.
3 no.2:72-85 May 1951. (CMLL 20:11)

1. G. Frana, M.D.--Industrial doctor at Svit National
Enterprise Plant. 2. T. Vlcek, M.D.--Head of the Eye
Department of the State District Hospital in Gottwaldov.

VLCEK, V.

SMOLEK, K.; VLCEK, V.

Present forms of penicillin preparations in Czechoslovakia. Cas.
lek. cesk. 92 no.51:1400-1403 11 Dec 1953. (CML 25:5)

1. Of the Research Institute of Antibiotics.

VLCEK, VLADISLAV

VESELY, Zbynek; VLCEK, Vladislav

Laboratory and clinical experiences with penicillin produced in Czechoslovakia. Cesk. farm. 3 no.5:188-191 My '54.

1. Ze Statniho ustavu pro kontrolu leziv a z Vyzkumneho ustavu antibiotik.

(PENICILLIN,

*pharmacol. of penicillin prod. in Czech.)

DOSKOCIL, J.; HEROLD, M.; SMAHEL, O.; VLCEK, V.; KOSKOVA, D.

Bronchopen (penethamat hydroiodide) as a new penicillin preparation with affinity for the pulmonary tissue. Ces. lek. cesk. 93 no.50: 1367-1370 10 Dec 54.

1. Z Vyskumneho ustavu antibiotik v Rostokach, red. Ing. M. Herold a z I. interni kliniky lekarske fakulty Karlovy university v Praze, predn. prof. Dr M. Netousek.

(PENICILLIN, derivatives,
penicillin G diethylaminoethyl ester hydroiodide)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860320008-3

VLCER, V.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860320008-3"

VLEČEK, V.
(2)

✓ Aureomykoin, Czechoslovakian brand of chlortetracycline. M. Dohnal, J. Doskočil, M. Herold, O. Šmahel, *Ulm*
and V. Vlček (Výzkumný Ústav Antibiotik, Roztoky, Czech.). *Časopis Lékařů Českých* 94, 1393-6 (1953).
Description of chem; properties, dosage forms, side effects, and clinical tests. The pharmacology of Czechoslovakian Aureomykoin. Vojtěch Sobek, Zdeněk Lojda, Rudolf Lukes, and Jiří Jelínek (Charles Univ., Prague). *Ibid.* 1398-1404. *Hals*

9

VLCEK, V.; VONDRACKOVA, J.; SMAHEL, O.

Pendepon, penicillin for prolonged action. Cas. lek. cesk.
94 no.51:1404-1407 16 Dec 55.

1. Z Vyzkumneho, ustavu antibiotik, Roztoky, reditel doc. Ing.
M. herold, a z I. interni kliniky, predn. prof. Dr. M. Netousek.
Pracovnik laboratore: D. Koskova.

(PENICILLIN,
prep. for prolonged action.)

VLCCK, V.
 COUNTRY : Czechoslovakia R-2
 CATEGORY :

ABS. JOUR. : AZKhim., No. 20 1959, No. 71698

AUTHOR : Skrivacek, J.; Vlcek, V.

TITLE : The Importance of Mixing in the Axial
 Direction in Absorption Columns

ORIG. PUB. : Chem. promysl, 1959, 9, No 1, 23-25

ABSTRACT : It is proposed to estimate the extent of mixing on the basis of the magnitude of the ratio h/n (where h -- height of the portion of the column under consideration, n -- number of ideal mixing steps), which is called height of mixing unit (HMU). It is stated that magnitude of HMU is affected by the manner in which the packing is placed, by distribution of the liquid over the packing, and also by distribution of gas velocities over cross-section of the column. It is noted that froth-absorbers have a low HMU, and the number of plates in them is approximately equal to the number of steps of ideal mixing. -- V. Gertsovskiy.

CARD:

HEROLD, M.; TOSCANI, V.; VICEK, V.; VONDRACKOVA, J.; MODR, Z.; SMAHEL, O.

Oxyntykoin -- a wide-spectrum antibiotic (Czechoslovakian oxytetracycline). Cas.lek.cesk. 98 no.44:1375-1376 30 0 '59.

1. Vyzkumny ustav antibiotik v Roztokach, prednosta doc.ing. M. Herold.
Interni katedra Ustavu pro doskolovani lekaru v Praze, prednosta doc.
dr. O. Smahel.

(OXYTETRACYCLINE pharmacol.)

SMAHEL, O.; HEROLD, M.; HERMANŠKY, M.; VÍČEK, V.; Technická spolupráce:
A. Necasková.

Effect of ascorbic acid on the absorption of potassium salts of
phenoxymethylpenicillin. (Considerations on a new peroral penicillin
preparation "fenaskopen"). Cas. lek. česk. 99 no.28:865-867 8 J1'60.

1. Interní katedra Ústavu pro doskolování lékařů v Praze, přednosta
doc. MUDr. O. Smahel, Vyzkumný ústav antibiotik v Praze, ředitel doc.
inz. M. Herold.

(PENICILLIN pharmacol.)

(VITAMIN C pharmacol.)

VLCEK, Vaclav, inz.; BILEK, Vaclav, inz.

Production of malt and beer in quantities and amount. Kvasny
prum 10 no. 6: Supplemen 41-45 is loc.

VLCEK, V.

"Education of apprentices in brewing and malting" by [dr. inz.]
Georg Nowak. Reviewed by V. Vlcek. Kvasny prum 9 no.7:179
Jl '63.

HEJZLAR, M.; VYMOLA, F.; VLCEK, V.

Sensitivity of dyspeptic strains of *Escherichia coli* to antibiotics
in vitro. Cas. lek. cesk. 101 no.20:614-618 18 My '62.

1. Vojensky lekarsky vyzkumny a doskolovaci ustav, katedra epidemiologie.--
Ustav epidemiologie a mikrobiologie, Praha, reditel prof. dr. K. Raska,
DrSc. -- Vyzkumny ustav antibiotik, Roztoky u Prahy, reditel doc.
M. Herold, DrSc.

(*ESCHERICHIA COLI* pharmacol)
(DYSPEPSIA microbiol) (ANTIBIOTICS pharmacol)

VLCEK, Z.

CZECHOSLOVAKIA

MVDr

Brno

Prague, Veterinarstvi, No 11, Nov 62, pp 334-336.

"Contribution to the Occurrence of Torsio Uteri in Carnivora"

Co-author:

KOZUMPLIK, J., MVDr, Brno

VLCEK, Z. STIRSKY, P.

Technical and economic problems of remote control by audio-frequency in electrification systems. p. 10.

(Energetika. Vol. 7, no. 1, Jan. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

VLCHEK, A. A.

Category: USSR

B-12

Abs Jour: R Zh--Kh, No 3, 1957, 7689

Author : Mitska, K. and Vlcchek, A. A.

Inst : Not given

Title : Diffusion in Electrolytes and the Polarographic Method. A Reply to
Ya. P. Gokhshteyn

Orig Pub: Zh. Analit. Khimii, 1956, Vol 11, No 4, 510-512

Abstract: A Discussion (RZhKhim, 1955, 48584).

Card : 1/1

-23-

MITSKA, K. [Micka, K.]; VLČEK, A.A. [Vlček, A.A.]

Electrolyte diffusion and the polarographic method; reply to
IA.P.Gokhshtein. Zhur.anal.khim.11 no.4:510-512 J1-Ag '56.
(MLRA 9:10)

1.Polyarograficheskiy institut Chekhoslovatskoy Akademii nauk,
Praga. (Electrolytes) (Gokhshtein, IA.P.)

VÍCEK, Václav

Economical malt drying method. Kvasny prum 10 no. 2:
27-29 F '64.

1. Potravinoprojekt, Brno.

VLCEK, VACLAV

Czechoslovakia/Chemical Technology. Chemical Products and Their Application --
Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5329

Author: Vlcek, Vaclav

Institution: None

Title: Floors of Beer Bottling Shops and Floors of Other Shops in Heavy Use

Original

Publication: Kvasny prumysl, 1956, 2, No 6, 126-127

Abstract: Report of experience with the use of fused basalt plates set in cement mortar over a concrete foundation of the shop floor. Joints between plates were filled with a waterproof putty.

Card 1/1

-VLCEK, Vladimir, inz. ekonom

Higher education of economists in the Soviet Union. Cs
spoje 9 no.1:18 F'64.

1. Jihomoravská krajská správa spoju.

CZECHOSLOVAKIA

KOZUMPLIK, Jaroslav, Doc. MUDr, CSc; VLCEK, Zdenek, MDr.

No affiliation both city of Brno for both

Prague, Veterinarstvi, No 2, [February] 1967, pp 62-65

"Evaluation of indications and results obtained by Caesarean operation
in seven small ruminants, and carnivora."

VLCEK, Z.

- Prague, Veterinarni, Vol XII, No 4, April 62
Copyright Note
1. "Law on the Veterinary Care," Václav KOLISA, MUDr./Doc-
tor of Veterinary Medicine, C.Sc. /Candidate of Science/
Prague, pp 97-100.
 2. "Immune System of Calves with a Modified Virus of Anger-
disease," Hana ŠIMONOVÁ, MUDr. /vet. /Veterinarian/
Bratislava, pp 101-102.
 3. "Prevention of Diseases in Pigs in the Large-Scale Pro-
duction Plans for Pigs," Prof. Václav VIT, MUDr.
Dr. Sc. /Doctor of Science/, Brno, pp 102-109.
 4. "Pathogenesis of Farm Animals," Miroslav BARTIČ, O.
Dr. Sc. /Candidate of Science/, pp 106-107.
 5. "Human Collection from Hares, Practical Remarks," Jiri
Václav, MUDr. /vet. /Veterinarian/, pp 108-111.
 6. "Infectious Complications," Z. TROŠEK, MUDr. /vet. /Veterinarian/
pp 112-113.
 7. "Importance of Biological Control of Infection," Zde-
nek DUBEK, MUDr. /vet. /Veterinarian/, pp 114-117.
 8. "Hepatitis in Pigs," Miroslav VIT, MUDr. /vet. /Veterinarian/
pp 117-118.
 9. "Air-Conditioning in Delivery Rooms for Sows in the
Palmovka," Miroslav VIT, MUDr. /vet. /Veterinarian/
pp 117-118.
 10. "Raising Device in Poultry Slaughteries," Rudolf
VITÁNEK, MUDr. /vet. /Veterinarian/, pp 116-119.
 11. "Insurance Contract No 0707," Václav HUNDEK, MUDr. /vet. /Veterinarian/
pp 119-122.
 12. "Veterinary Investigations for Meat Export from South
America," Jindřich ČERNÝ, MUDr. /vet. /Veterinarian/, pp 122-124.
 13. "Rabies-Salt Poisoning in Cattle," Josef VITÁNEK, MUDr.
and ZDANĚK RÁČ, MUDr. /vet. /Veterinarian/, pp 124-126.
 14. "Competition in the Veterinary Service to Celebrate the
Twelve Congress of the Communist Party of Czechoslovakia,"
pp 2 and 3 of cover.
 15. "Strengthening the Role of the Brigade of Socialist Labor
in the Veterinary Research Institute CSATV /Research-
Institute of Veterinary Research and Czechoslovak Academy
of Agricultural Sciences (Výzkumný ústav veterinárního
vědy a veterinárního lékařství) /pp 2 and 3 of cover.
CSATV, Brno-Pedice, pp 2 and 3 of cover.

MIKULAS, Jiri, inz.; VLCEK, Zdenek, inz.

Calculation of the electric network operation on the NE 203
B digital computer. El tech obzor 53 no. 1: 1-7 Ja '64.

1. Vyzkumne vypoctove stredisko pri n.p. Kancelarske stroje, Praha (for Mikulas).
2. Vyzkumny ustav energeticky, Bechovice (for Vlcek).

L 38949-66

ACC NR: AP6029710

SOURCE CODE: CZ/0017/65/054/007/0310/0316

AUTHOR: Vlcek, Zdenek (Engineer)

ORG: Power Research Institute, Brno (Vyzkumny ustav energeticky)

TITLE: Transient stability studies on an NE 803 B digital computer

SOURCE: Elektrotechnicky obzor, v. 54, no. 7, 1965, 310-316

TOPIC TAGS: digital computer, computer technology/NE 803 B digital computer

ABSTRACT: The article reports on a transient stability program using the step-by-step method. The network calculated may include up to 126 busbars, 160 lines and 60 generators. System conditions during the step studied were obtained from a steady-state load flow calculation by a nodal iterative process. Experiences with the present calculations (computing time, side of the interval Δt and acceleration factor) are presented. This paper was presented by Docent, Engineer, Candidate of Sciences Z. Trojanek. Orig. art. has: 6 figures, 12 formulas and 3 tables. [Based on author's Eng. abst.] [JPRS: 32,482]

SUB CODE: 09 / SUBM DATE: 12Jun64 / ORIG REF: 001 / OTH REF: 002

Card 1/1

UDC: 621.316.11;681.142-83

071P 0186

CZECHOSLOVAKIA

VLCEK, Z.; Chair of Gynecology, Veterinary Faculty, College of Agriculture (VSZ, Veterinarni Fakulta, Katedra Porodnicko-Gyneko-logicka), Brno.

"Study of the Etiology of Purulent Endometritis and Pyometra in Cows."

Prague, Veterinarni Medicina, Vol 11, No 7, Jul 66, pp 455 - 460

Abstract /Author's English summary modified_7: 71 cases of purulent endometritis and pyometra were investigated to ascertain the bacterial etiology and pathological changes. In 49.2% infection was caused by *Corynebacterium pyogenes*; infections with other bacteria did not exceed 8.4%. The infections predispose gravidity disorders, an abnormal puerperium course, and sexual cycle stag-nancies. Therapy should include womb treatment. 1 Table, 3 West-ern, 5 Czech, 1 East German reference. (Manuscript received 8 Mar 66).

1/1

39772

Z/011/62/019/007/004/005
E112/E453

158119
AUTHORS:

Mleziva, Y., Vlcek, Y.

TITLE:

Polyester resins, unaffected in their hardening by atmospheric oxygen

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v.19, no.7, 1962, 322-323, abstract Ch 62-4398. (Lakokras.materialy, v.2, no.2, 1962, 13-17)

TEXT: Two types of unsaturated polyester resins with drying characteristics uninhibited by atmospheric oxygen were synthesized. The new resins, called Polyester 156, have identical physical drying properties with former resin Vestopal LT. One of the resins was prepared from chloro-tetrahydrophthalic acid, while the other contains a polyfunctional monomer GAF in amounts of 20-30% on the weight of the polyester resin. Chemically, monomer GAF is bis-glycerolemonoallyl fumarate, prepared by reacting 1 mole fumaric acid with 2 moles allyl-glycidylether. The monomer is characterized by great reactivity, even at room temperature.

Card 1/2

Card

MLEZIVA, Y. [Mleziva, J.]; VICEK, Y. [Vicek, J.]

Polyester lacquers not subjected to inhibition by atmospheric oxygen. Lakokras.mat.i ikh prim. no.2:13-17 '62. (MIRA 15:5)

1. Nauchno-issledovatel'skiy institut sinteticheskikh smol i lakov, Pardubitz, Chekhoslovatskaya Sotsialisticheskaya Respublika.

(Czechoslovakia--Lacquers and lacquering) (Resins, Synthetic)

S/081/62/000/024/001/052
B108/B186

AUTHORS:

Gerasimov, Mikhail, Petrova, Yelisaveta, Dobrevski, Ivan,
Spasov, Grozdan, V"lchev, Dimit'r

TITLE:

Bulgarian oil: composition with regard to structural groups,
and properties

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 24, 1962, 714, abstract
24M129 (Nauchni tr. Vissh. in-t mekhaniz. i elektrif. selskoto
stop.-Ruse, v. 4, 1961 (1962), 185 - 197 [Bulg.; summaries in
Russ. and Eng.]

TEXT: The methods of Van Nes - Van Westen, Cornelisen - Waterman, Kurz -
Ward, Robert, Umstätter, Gilyazetdinov, and Dinsley - Karlov were used to
determine the composition with regard to structural groups of the 5-% frac-
tions of Tyuleniy island crude oil, which is a typical heavy oil. It was
found that none of the above methods is superior to the others. It is
shown that the Tyuleniy island crude oil is rich in high-molecular paraffin
hydrocarbons. [Abstracter's note: Complete translation]

Card 1/1

V'LCHEV, IV.

The New Tuu-100 (HF) Radio-relay Device. "RADIO" Ministry of Communications.
#11:27:Nov. 55

VILCHEV, IV.

Magnetic Sound Recording (Translated from Russian). "RADIO" Ministry
of Communications, #11:31:Nov. 55

V'LCHEV, IV.

The TUU-100 Preamplifier. "RADIO" Ministry of Communication, #12:25:Dec. 55

NOVAK, I.; FIALA, Ya. [Fiala, J.]; SHUTKO, Sh. [Sutko, S.]; VLCHKOVA, M.
[Vlckova, M.]; SROUREK, I. [Sourek, J.]; SEYKOROVA, I. [Sejkorova, J.]

Some changes in the donor organism after bloodletting. Probl.
gemat. i perel. krovi 8 no.4:41-46 Ap'63 (MIRA 17:2)

1. Iz Instituta gematologii i perelivaniya krovi (dir. - prof.
Ya. Gorzheyshi [Horejsi, J.], Praga.

VOPATOVA, M.; VLCHKOVA, M. [Vlckova, M.]

Blood platelet metabolism. Probl. gemat. i perel. kroví 8 no. 63
41-45 Je 63 (MIRA 17:4)

1. Iz Instituta gematologii i perelivaniya kroví (direktor-
prof. Ya. Gorzheyski [Horejsi, J.], Praga.

FERIN, J.; URBANKOVA, G.; VLCKOVA, A.

Hygienic and toxicological problems of acrylonitrile and dimethylformamide. Prac. lek. 13 no.8/9:466-468 N '61.

1. Ceskoslovenska akademia vied, Ustav experimentalnej mediciny Slovenskej akademia vied, Bratislava, riaditel clen korespondent SAV J. Antal, odd. hygieny, veduci akademik SAV V. Mucha.

(CYANIDES toxicol)
(FORMATES toxicol)
(OCCUPATIONAL DISEASES)

VLCKOVA, A.

VLCKOVA A., FERIN, J.

CSSR

CSAV Institute for Experimental Medicine of the SAV (Ustav experimentálneho
medicíny SAV), Bratislava

Prague, Ceskoslovenska Hygiena, No 3, 1963, pp 153-156

"Applicability of Quick's Method for the Determination of Hippuric Acid
in the Detoxication Process in Rats"

FERIN, J.; VLCKOVA, A.; URBANKOVA, G.

The clearing mechanism of the respiratory system. Bratisl.
lek. listy 43 Pt 2 no.7:411-416 '63.

1. CSAV - Ustav experimentalnej mediciny SAV v Bratislave,
riaditel clen koresp. SAV J. Antal, Dr. Sc.
(RESPIRATORY SYSTEM) (SILICON)
(RETICULOENDOTHELIAL SYSTEM)
(TRYPAN BLUE) (TITANIUM)

TRZILOVA, B.; VLCKOVA, A.

Urochrome as an indicator of fecal contamination of surface waters. Cesk. hyg. 10 no.2:114-122 Mr '65

1. Oddelenie experimentalnej hygieny Ustavu ekperimentalnej mediciny Slovenskej akademie vied, Bratislava.

VLCKOVA, A.; FERIN, J.

Applicability of Quick's method for the estimation of hippuric
acid in the detoxication process in rats. Cesk. hyg. 8 no.3:
153-156 Ap '63.

1. CSAV, Ustav experimentalnej mediciny SAV, Bratislava.
(HIPPURATES) (LIVER FUNCTION) (URINE)
(CYANIDES) (SOLVENTS)

FERIN, Juraj; VLCKOVA, Angelika

Apropos of the content of silicic acid in the lungs of laboratory animals -- critical report. Prac. lek. 17 no.1: 26-27 Ja '65

1. Oddelenie experimentálnej hygieny Ústavu experimentálnej medicíny Slovenskej akadémie vied, Bratislava.

FERIN, Juraj; URBANKOVA, Gertruda; VLCKOVA, Angelika

Influence of roentgen radiation on the elimination of solid particles from the lungs. Prac. lek. 17 no.3:105-106 Ap'65.

1. Oddelenie experimentalnej hygieny Ustavu experimentalnej mediciny Slovenskej akademie ved v Bratislave.

FERIN, Juraj; REICHRTOVA, Eva; URBANKOVA, Gertruda; VLCKOVA, Angelika

Elimination of solid particles from the lungs and formation
of antibodies. Prac. lek. 16 no.9:410-412 N ' 64

1. Oddelenie experimentálnej hygieny Ustavu experimentálnej
medicíny Slovenskej akadémie ved, Bratislava.

VLCKOVA, A.; FERIN, J.

Contribution on the determination of galactose in association with glucose in microquantities of blood in small laboratory animals. Bratisl. lek. listy 44 no.11:662-669 D 15 '64

1. Ustav experimentalnej mediciny Slovenskej akademie vied Bratislave, Oddelenie experimentalnej hygieny (riaditel clen. koresp. Slovenskej akademie vied J. Antal, DrSc.).

FERIN, Juraj; VLCKOVA, Angelika; URBANKOVA, Gertruda

Effect of trypan blue on the elimination of dust from the lungs.
Prac. lek. 16 no.5:202-203 J1 '64.

1. Ceskoslovenska akademie ved -- Ustav experimentalnej mediciny
Slovenskej akademie ved, oddelenie experimentalnej hygieny, Bra-
tislava.

SSR CZECHOSLOVAKIA

SEZIROVA, B; VLCKOVA, A.

Department of Experimental Hygiene of the Institute of
Experimental Medicine SAV (Oddelenie experimentalnej
hygieny Ústavu experimentálnej medicíny SAV),
Bratislava (for both)

Prague, Czechoslovakian Hygiene, No 2, 1965, pp 114-118

"Urochrome as an Indicator of the Faecal Contamination of
Surface Water."

CZECHOSLOVAKIA UDC 612.014.434:613.842:616.24-003.65-034-092.1.9-092.9

FERIN, Juraj; URBANKOVA, Gertruda; VLCKOVA, Angelika; REICHRTOVA, Eva; Institute of Experimental Hygiene, Slovak Academy of Sciences (Ustav Experimentalnej Hygieny SAV), Bratislava.

"The Effect of Cold and of Cigarette Smoke on the Elimination of Dust from the Lungs."

Prague, Pracovni Lekarstvi, Vol 18, No 6 - 7, Aug 66, pp 263-264

Abstract [Authors' English summary modified]: Experiments on rats showed that both the stimuli investigated inhibit pulmonary clearance. The mechanism of the two stimuli is different in each case. Cigarette smoke inhibits ciliary activity; the cold induces a stress on the whole organism. 3 Tables, 1 Western, 5 Czech references. (Manuscript received 1 Dec 65).

CZECHOSLOVAKIA

Capt Josef JANICEK CSC UWH, Vilma MALOUSOVA RMDr, M. VIZKOVA and J. MARKOVA, Veterinary Research Center (Veterinarni vyzkumne stredisko,) Prague.

"Preservation of Meat of Edible Animals from Secondary Effects of Atomic Radiation."

Prague, Vetenske Zdravotnické Listy, Vol 31, No 3, Jan 62; pp 129-133.

Abstract: Comprehensive review of various food preservatives and report on chlortetracycline studies: i.v. to rabbits at 4 mg./Kg optimal time for meat preservation protection is 2 to 3 hours antemortem; same type experiments in heifers in Prague slaughterhouse, determining amount of antibiotic in tissues at various times after slaughtering; microbiologic assay was most sensitive; second part of study devoted to plastic fiber jacks for wrapping slaughtered cattle. In terms of mg. 80% best was i.p. chlortetracycline + rinsing in same antibiotic + fiber wrap. Two photographs, 2 tables, 4 graphs; 1 Czech and 15 Western references.

1/1

FIALA, J.; VLCKOVA, M.

Transfusion of fibrinolized blood. Cas. lek. cesk. 101 no.28:158-160
13 JI '62.

1. Ustav hematologie a krevni transfuze v Praze, reditel prof. dr.
Jaroslav Horejsi, DrSc.

(BLOOD TRANSFUSION) (CADAVER)
(FIBRINOLYSIS)

2

CZECHOSLOVAKIA

PIALA, J., MD; VLOKOVA, M., MD.

Institute of Hematology and Blood Transfusion (Ústav
hematologie a krevní transfuze), Prague (for both)

Brno, Vnitřní lékařství, No 5, 1963, pp 441-443

"Concerning the Level of Some Coagulation Factors in
Blood Donors."

FIALA, Jaroslav, MUDr.; VLCKOVA, Milena, MUDr.; Technicka spoluprace:
CHRASTOVA, Zdena; KROMBHOLOVA, Jitka.

Use of heparin as an anticoagulant in blood preservation.
Vnitřní lek. 11 no.8:742-749 Ag '65.

1. Ústav hematologie a krevní transfuze v Praze (ředitel prof.
Dr. J. Horejší, Dr.Sc., člen korespondent Československé aka-
demie věd).

VLCHEK, B. [Vlcek, B.]; ~~VLOHKOVA, S.~~ [Vlckova, S.]; LYALIKOV, K.S.,
red.perevoda

Measuring the diffusion of sensitizing dyes in gelatine
[translated from the Czech]. Zhur.nauch.i prikl.fot.i kin.
5 no.3:187-194 My-Je '60. (MIRA 13:7)

1. Nauchno-issledovatel'skiy institut narodnogo predpriyatiya
Fotokhema, g.Praga (Chekhoslovariya).
(Photochemistry)
(Photographic sensitometry)

KAVAN, J.; VLCKOVA, Z.

Determination of cyclopentadiene. Prace vyzkum paliv 4:381-391
'62.

VL'KOVA, Z., inz.

Colorimetric method of determining carbonyl sulfide in carboni-
zation gases. Paliva 44 no.9;265-266 S 164.

1. Research Institute of Fuels, Bechovice.

VLOCKOVA, Z.

Determination of carbon disulfide and carbonyl sulfide in
carbonization gases. Prace Ust paliv vol. 7:257-268 '64.

VLCKOVA, Zora

Complications in puncture of the maxillary sinus caused by damage to the central nervous system. Cesk. otolar. 10 no.6:346-351 D '61.

1. Otolaryngologická klinika lékařské fakulty KU v Hradci Králové, přednosta prof. Dr. Sc. MUDr. J. Hybásek, a otolaryngologické oddělení vojenské nemocnice v Brně.

(MAXILLARY SINUS surgery)

(CEREBRAL EMBOLISM AND THROMBOSIS etiology)

CERNÝ, Ervin, MUDr; CHYTIL, Svat., MUDr; NEJEDLO, V., MUDr; VLCKOVA, Z.,
MUDr

Hearing gains following atticoantrotomy. Cesk. otolar. 3 no.3:128-
137 Aug 54.

1. Zotolaryngologické kliniky VLA v Hradci Kralove
(HEARING DISORDERS, surgery
atticoantrotomy, evaluation of results)

VLCKOVA, Zora, MUDr.

Cysts of the submental region. Cesk. otolar. 5 no.1:50-53
Feb 56.

1. Z Otolaryngologicke kliniky VLA J. E. Purkyne v Hradci
Kralove.

(CHIN, cysts
submental, case report. (Cz))

(CYSTS,
submental, case report. (Cz))

VLCKOVA, Z.

Examination of cyclopentadiene and butadiene formation during
coking. Paliva 43 no.6:175-177 Je '63.

1. Ustav pro vyzkum paliv, Bechovice.

VICSKO, Lajos

Application of radio isotopes and nuclear radiation
in agriculture. Elet tud 19 no.47:2235-2239 1964.

1. Technical Committee on Agriculture, National Atomic Energy
Commission, Budapest.

S/079/63/033/001/023/023
D204/D307

AUTHORS: Shostakovskiy, M. F., Vleasov, V. M. and Mirskov, R.G.

TITLE: Synthesis of the acetylenic esters of organotin

PERIODICAL: Zhurnal obshchey khimii, v. 33, no. 1, 1963, 324

TEXT: Compounds $\text{Et}_3\text{SnORC}\equiv\text{CH}$ (where $\text{R}=\text{CH}_3$, $(\text{CH}_2)_2$, $\text{CH}(\text{CH}_3)_2$, or $\text{C}(\text{CH}_3)_3$) were obtained by: (a) treating $\text{BrMgC}\equiv\text{CROMgBr}$ (obtained from EtMgBr and butyn-1-ol-4) with triethylchlorostannane, heating for 8 hours at 100°C , cooling and adding water to the reaction mixture. The organic layer was separated, dried, the solvent (ether) was evaporated and the products were fractionated; (b) heating acetylenic alcohols (pretreated with Na) with Et_3SnCl on a water bath. The compounds, whose structure was confirmed by ir spectroscopy, did not react with vinyl esters with the formation of acetals.

Card 1/2

Synthesis of the ...

S/079/63/033/001/023/023
D204/D307

ASSOCIATION: Irkutskiy institut organicheskoy khimii Sibirskogo
otdeleniya Akademii nauk SSSR (Irkutsk Institute of
Organic Chemistry of the Siberian Branch of the
Academy of Sciences, USSR)

SUBMITTED: August 30, 1952 [Sic]

Card 2/2

VLEDYANU

ROUMANIA/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68599

Author : Kombiesku, Kombiesku, Vledoyanu

Title : Vaccination in Intestinal Diseases. Experimental Investigation. Introduction of Vaccine by Different Methods.

Orig Pub : Studii so cercetari inframicrobiol., microbiol. si parazit. Acad. RPR, 1956, 7, No 1-2, 131-136

Abstract : Mice were vaccinated by heat-killed Salmonella typhimurium which were injected hypodermically (100 million organisms) and orally (6 billion organisms) or by both methods. Better results were obtained in mixed vaccinations (thrice orally and one hypodermic injection after 30 days). Poorer results were obtained when the order of mixed vaccination was reversed. The vaccination did not produce satisfactory results when the oral method alone was used.

Card 1/1

- 61 -

VLELUTS, G.

VLELUTS, G.: "Aldehydes of the isoquinoline series and their transformation". Moscow, 1955. Min Higher Education USSR. Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev. (Dissertations for the Degree of Candidate of Chemical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December 1955. Moscow.

NOTE: in 176-0 (from RAO). This referred with
FBI-DOJ in ref. of Widespread Harassment, C.A. 18.

gave a copy of the report, which treated with

05/193

ACCESSION NR. AT5001142

8 000 BA 000 000 0002. 0007

AUTHOR: Vladys, G. E.; Shevchenko, L. V.

Time of the day: 20:00-22:00 h. *Temperature*: 20-25°C. *Light*: 1000 lux. *Medium*: 100 ml of tap water. *Substrate*: 100 mg of organic compounds.

50. P. P. Kuznetsov, *Mathematical Models of Control Systems in Automatic Control Systems*, Moscow, 1964, p. 12.

TOPIC TAGS: information retrieval, chemical coding, organic compound, filter record, programmed retrieval, cyclic structure, condensed system, computer language

ABSTRACT: The article deals with a structural comparison of two systems (referred to as EXOS and EXOS 2) consisting of two sets of the primary structural components and with a brief discussion of the methods of the comparative analysis of the first two. The development of the methods of the comparative analysis of the first two. The general similarity of the two systems is demonstrated. The two systems are fundamentally designed to perform the same functions.

information. The authors note that the FZOS-1 and 2 were fundamentally designed to receive information from a single source, and that the FZOS-1 and 2 were designed to receive information from a single source, and that the FZOS-1 and 2 were designed to receive information from a single source.

fragments of the polymeric material. The fragments were separated on the basis of molecular weight by means of a size exclusion chromatograph.

Card 1/4

L 32899-65

ACCESSION NR: AT5004143

widely encountered structural attributes. Underlying the filter information principle, with specific application to chemical compounds, is the breakdown of structural formulas into cyclic systems and a cyclic system. The compound filter-record retrieval systems (FZOS-1 and FZOS-2) are described, and the attributes of the systems are discussed. It is shown that these differences are primarily in the character and structure of the recording of the cyclic part of the compound. The FZOS-1 system is described by a so-called digital characteristic and monocyclic fragments, while in the FZOS-2 attributes of three types are used: 1. the bases of the systems (cyclic "skeletons" which make no allowance for the nature of the ring atoms and reflect only the topological configuration of the system); 2. monocycles, comprising the skeletons and reflecting the nature of the ring atoms but with no consideration of the multiplicity of the bonds between them; and 3. attributes which characterize the degree of hydrogenation of the cyclic systems. A dictionary of cyclic structures in which a three-place number corresponds to each attribute was written. The FZOS-1 and FZOS-2 permit retrieval of the systems which are either independent component parts of a compound or fragments of polycyclic condensed systems. The importance of a statistical approach to the compilation of the compound

Card 2/4

L 32899-65

ACCESSION NR: AT5004143

dictionary is emphasized. The structure of the first part of the filter records is analyzed, and it is pointed out that while the FZOS-1 uses only one empirical formula of the conventional type, the FZOS-2 employs 10 different formulas described in the article. This is said to result in the capability of rapidly locating compounds containing rare elements. Experiments conducted on an electronic digital computer indicated that the mean number of elements in a given structure is 10.5. The article also contains a table of the number of elements in a given structure for the first 10 elements of the periodic table. The article concludes with a brief discussion of the FZOS-1. Basic systems requirements are listed. The article is a very good description of the bond between the two

The grammar is used for a sufficiently complete description of the bond between the ring systems and the substituents, and also of the interrelation between the polycyclic blocks and the monocyclic fragments which constitute them. Both filter record systems may be represented in the form of correctly constructed formulae of two different computations. An example of such a computation is given using the FZOS-2. The authors report that tests have shown that the less complex grammar in the FZOS-2 results in a certain additional retrieval "noise", which may be reduced by the use of the more complicated grammar. It is achieved in automatic processing of the chemical literature, and the discussion of a new system of retrieval records is proposed. The system is based on the use of a grammar consisting of two groups of descriptors and analyzing the chemical literature in a retrieval language, the expressions of which represent an ordered aggregate of descriptors, taken from some finite list; i.e., of "binary" attributes of the "yes, no" type.

: Cord 3/4

L 32899-65
ACCESSION NR: AT5004143

ASSOCIATION: none

SUBMITTED: 08Oct64

ENCL: 00

SUB CODE: DP, OC

NO REF SOV: 004

OTHER: 001

Card 4/4

AUTHOR: Vleduts, G. E. ; Mishenkov, A. I.

TITLE: An algorithm for the classification of organic chemical reactions

OF 12 Cards
Card 1/3

L 72900-65
ACCESSION NR: AT5004144

subgraph" and its relation to the skeletal diagram as
actions are analyzed. A distinction is drawn between the "skeletal diagram" on the one hand
and the discussion of the various

ACCESSION NR: 100-4111

SUBMITTED: 08Oct64

ENCL: 00

SUB CODE: DP, OC

NO REF SOV: 005

OTHER: 000

Card 3/3

VLEDUTS, G.E.; KAFAROV, V.V., red.; LISICHKIN, S.M., red.;
MIKHAYLOV, A.I., red.; SEMENOV, Yu.V., red.;

[Scientific information problems in the field of chemistry]
Nekotorye voprosy nauchnoi informatsii v oblasti khimii.
Moskva, Izd-vo AN SSSR. No.1. [Ways of improving the sys-
tematization of chemical indexes] O putiakh usovershenstvo-
vaniia sistematiki khimicheskikh ukazatelei. 1958. 77 p.
(Chemistry--Abstracting and indexing) (MIRA 16:10)

28(2)

SOV/26-59-5-20/47

AUTHORS: Vleduts, G.E., Seyfer, A.L., Candidates of Chemical Science

TITLE: Electronic Computer Information in Chemistry

PERIODICAL: Priroda, 1959, Nr 5, pp 86 - 88 (USSR)

ABSTRACT: The authors refer to the growing use of computers in economic planning, direction of production, and in solving technical problems. In particular, they describe the use of computers in selecting and summing up information, in respect to specific items, scattered over the great mass of published material. Such work is carried out sometimes in 10 - 15 min, including the work of the machine itself of only 1 min. The director of the Moscow Electromodelling Laboratory is Professor L.I. Gutenmakher. There are 2 diagrams and 4 references, 3 of which are English and 1 Soviet.

Card 1/2

SOV/26-59-5-20/47

Electronic Computer Information in Chemistry

ASSOCIATION: Laboratoriya elektromodelirovaniya Akademii nauk
SSSR / Moskva (Electromodelling Laboratory of the
Academy of Sciences of the USSR / Moscow)

Card 2/2

16(2),9(5)

SOV/53-69-1-2/11

AUTHORS:

Vleduts, G. E., Nalimov, V. V., Styazhkin, N. I.

TITLE:

The Scientific and Technical Information as a Problem of Cybernetics (Nauchnaya i tekhnicheskaya informatsiya kak odna iz zadach kibernetiki)

PERIODICAL:

Uspekhi fizicheskikh nauk, 1959, Vol 69, Nr 1, pp 13-56 (USSR)

ABSTRACT:

The material of this instructional article is taken completely from Western, above all American, publications. The authors point out that the further development of science takes place exponentially. This is illustrated by means of diagrams: Figure 1, beginning from 1900 up to 1955, shows the increase of the total number of scientific works abstracted in "Physics Abstracts", figure 2 (in semilogarithmic scale) shows the also exponential increase in scientific periodicals and abstracting periodicals. Of the first there now exist nearly 100,000, the number of abstracting periodicals is near 300. The abstracting periodicals published by the Institut nauchnoy i tekhnicheskoy informatsii AN SSSR (Institute of Scientific and Technical Information of the AS USSR) contain abstracts from works published in 11 - 12,000 scientific periodicals. This number does not include social science periodicals. Further details nearly

Card 1/3

The Scientific and Technical Information as a
Problem of Cybernetics

SOV/53-69-1-2/11

all concern the USA. Chapter 2 concerns mechanized and statistical methods of abstracting articles. It is pointed out that the Institute of Scientific and Technical Information of the AS USSR at present has 12,000 special abstracters. In view of the exponential increase of scientific work, this number ought to increase to 12,000,000 after 100-150 years, which confirms the necessity of mechanizing the work of abstracting. The mechanical-statistical method is described according to Luhn (Ref 12). Chapter 3 deals with documentation by means of punched card systems. In principle, the Eastman Kodak Minicard System (USA) and the Filmorex System (France) are described, and the DMS (Great Britain, West Germany) System for the documentation of molecular spectra are discussed and demonstrated on the basis of numerous examples. Chapter 4 is devoted especially to documentation in the field of chemistry and gives a large number of examples from the USA. In this connection also a memory machine constructed by the Laboratoriya elektro-modelirovaniya (Laboratory for Electrical Simulation) of the VINITI AS USSR under the supervision of Professor

Card 2/3